



DEPARTMENT OF THE NAVY
OFFICE OF THE CHIEF OF NAVAL OPERATIONS
2000 NAVY PENTAGON
WASHINGTON, D.C. 20350-2000

IN REPLY REFER TO

OPNAVINST 4442.1F
N412D
23 Oct 98

OPNAV INSTRUCTION 4442.1F

From: Chief of Naval Operations

Subj: STOWAGE SPACE REQUIREMENTS FOR NEW CONSTRUCTION AND
MAJOR CONVERSIONS OF SHIPS

1. Purpose. To set forth criteria governing shipboard stowage space requirements for supply support material.
2. Cancellation. OPNAV Instruction 4442.1E.
3. Scope. The requirements addressed in this directive apply to stowage spaces for repair parts, consumables, provisions, ship's store stock and medical supplies required for self support. They do not apply to bulk fuel and ammunition stowage spaces.
4. Policy

a. The following are the goals, stated in days endurance for wartime complements and combat consumption rates, for stowage space requirements for supply support material in new construction and major conversion of ships entering the preliminary design phase subsequent to 1 January 1998.

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MINIMUM DAYS OF ENDURANCE 1/

<u>Ship Types</u>	<u>Repair Parts and Equipment-Related Consumables</u>	<u>Other Consumables, Ship Store Stock, Provisions & Medical</u>
Carriers	90	75
Combatants (CG, DD, DDG, FFG)	90	60
Tenders	90	90
Submarines (SSN, SSBN)	90	90

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<u>Ship Types</u>	<u>Repair Parts and Equipment-Related Consumables</u>	<u>Other Consumables, Ship Store Stock, Provisions & Medical</u>
Amphibious (LHA, LHD, LPD, LSD, LST)		
Ship's complement	90	75
Embarked troops	N/A	60
R) Mine Warfare		
(MCM)	90	45
(MHC)	90	15
(MCS)	90	75
Service Force	90	75
(T-AE, T-AO, AOE, TAFS, T-AF(X))		

Non-self sustaining 2/ As required to accomplish assigned mission.

1/ Although these are the desired minimum levels of endurance, constraining factors influencing space requirements and stockage objectives may be overriding. In such cases the reduced stowage space requirement will be as specified in the new construction ship's Operational Requirements Documents (ORD).

2/ Landing craft, patrol craft, etc., of less than 1000 tons displacement.

R) b. Other ship types not specifically listed in paragraph 4a shall have stowage space sufficient to provide the requisite days endurance to accomplish assigned missions.

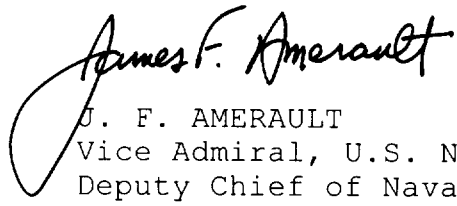
c. The endurance for provisions is an overall requirement for stowage of all categories of subsistence (dry, frozen, and chill). Space needed for individual categories will be provided to meet this overall objective. Chilled stowage space shall be adequate for 30 days and shall be convertible to freeze. The utilization of chill space for freeze is to provide flexibility for contingencies.

R) d. The days endurance stated for ship types represents the stockage objective (i.e., the sum of the operating and safety levels of stock) which is the maximum quantity of material to be maintained on hand to sustain current operations. The size of shipboard storerooms for designated categories of material will be adequate to stow this maximum quantity of material. Average endurance level (i.e., the safety level plus one-half the operating level) is the average quantity of material normally

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required to be on hand to sustain operations for a stated period without augmentation. Average endurance level in terms of days of supply is used for the purpose of operational planning rather than determination of stowage space requirements.

- R) e. Overarching Integrated Product Teams (OIPTs), with the participation of Ship Program Managers, Commander in Chief Pacific Fleet, Commander in Chief Atlantic Fleet, appropriate Type Commanders, and Commander, Naval Supply Systems Command (NAVSUP), will assist in the resolution of stowage space and stockage objective issues for new construction and major ship conversions entering the preliminary design phase. Approving authority for deviations requested by the Ship Program Manager, including potential reductions resulting from innovations in supportability for new ship platform programs, will be Deputy Chief of Naval Operations (Logistics) (OPNAV N4).
- R) 5. Action. The Commander, Naval Sea Systems Command will ensure that stowage space requirements on new construction and conversion ships meet the standards of this directive.


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